Contents to Volume 20

Volume 20 No. 1 1994

YOSHITSUGU HASEGAWA, TAKESHI AKIMOTO, and DAISUKE KOJIMA / Intercalation of Pyridine and Quinoline into α-Zirconium Phosphate 1–12

ALEXANDER Y. NAZARENKO, PETER HUSZTHY, JERALD S. BRADSHAW, JOHN D. LAMB, and REED M. IZATT / Molecular Recognition as Shown by the Solvent Extraction of (*R*)- and (*S*)-[α-(1-Naphthyl)ethyl]ammonium Picrate or Orange 2 by Chiral Pyridino-Crown Ethers 13–22

O. KARADAĞ, E. GÖK, I. SERDAR ATEŞ, Ö. KIRAN, and A. BOZKURT / Inclusion Complexation of Warfarin with β-Cyclodextrins and Its Influence on Absorption Kinetics of Warfarin in Rat 23–32

ERGÜN KASAP and ZİYA KANTARCI / Vibrational Spectroscopic Studies on the Hofmann-Td-Type Clathrates: $M(NH_3)_2\,M'(CN)_4 \cdot 2C_6H_6$ (M = Mn or Cd and M′ = CD or Hg) 33–41

FUMIO HAMADA, KYOKO ISHIKAWA, RIKO ITO, HISANORI SHIBUYA, SANYO HAMAI, IWAO SUZUKI, TETSUO OSA, and AKIHIKO UENO / Spacer Effect of Appended Moieties for Molecular Recognition in Doubly-Sodium Anthranilate Modified γ-Cyclodextrin 43–51

MARIA BOCHEŃSKA and MARIA GDANIEC / Dicyclohexylamides as Ionophores for Li-Selective Electrodes. Crystal Structures of a Triamide Ligand and Its Complex with Lithium Ion 53–71

QI LI and THOMAS C. W. MAK / Inclusion Compounds of Thiourea and Peralkylated Ammonium Salts. Part II. Hydrogen-Bonded Host Lattices Built of Thiourea and Cyclic Dimeric Bicarbonate Moieties 73–88

PIERRE THUÉRY, NELLY KELLER, MONIQUE LANCE, JULIEN-DANIEL VIGNER, and MARTINE NIERLICH / A Doubly Deprotonated Form of Calix[6]arene: Crystal and Molecular Structure of $(Calix[6]arene\text{-}2H)^{2-} \cdot (HNEt_3^+)_2$ 89–96

Conference Diary 97

Volume 20 No. 2 1994

IAN DREPAUL and JEFFREY A. JOENS / Thermochemistry of Molecular Complexes. 5. Molecular Complexes of I_2 with Ethylbenzenes and *n*-Alkylbenzenes 99–103

GABRIELE BOCELLI, ANDREA CANTONI, YURII A. SIMONOV, MARINA S. FONARI, and EDWARD V. GANIN / Crystal Structure of the 1 : 2 Molecular Complex between the *cis-anti-cis* Isomer of Dicyclohexano-18-crown-6 and 3-Chloro-6-methylbenzenesulphamide 105–114

YU. A. DYADIN and E. YA. ALADKO / The Phase Diagram of the Water–Hydrogen System in the Crystallization Field of Solid Solutions Based on Ices Ih and II and High Pressures 115–121

GHAZI A. W. DERWISH, SALMAN R. SALMAN, and SABRI M. H. AL-MARSOUMI / Molecular Complexes of Crown Ethers. Part 2: Complexes between Crown Ethers and π Acceptors 123–129

MOON HWAN CHO, SANG HYEOK YU, MARTY D. UTTERBACK, RONNIE D. PRICE, and RICHARD A. BARTSCH / Thermodynamic Studies of Alkaline-Earth-Metal Cation Complexion by Lipophilic Dioxa, Trioxa, and Dithia Dicarboxylic Acids 131–142

ALBERTO FLAMINI, GIORGIO MATTEI, and NICOLA POLI / Characterization of the Bis (β-diimino-tetracyano-pyrrolizinido)–metal(II) Complexes Incorporated in Polymeric Matrices 143–149

SABINE WENGER, ZOUHAIR ASFARI, and JACQUES VICENS / New Preorganized Calix[4]arenes. Part II. Double Schiff-Based Calix[4]arenes Derived from 4,6,10,12, 16,18,22,24,25,26,27,28-Dodecamethyl-5,11,17,23-tetrahydroxycalix[4]arene 151–156

MOJTABA SHAMSIPUR and JAHANBAKHSH GHASEMI / Conductance Study of the Thermodynamics of Some Transition and Heavy Metal Cryptates in Binary Acetonitrile – Dimethylsulfoxide Mixtures 157–171

TAKAYUKI CHUJO, ISAO SARAOKA, SHINOBU KATO, HIROYASU SATO, KOICHI FUKAHARA, and HIROATSU MATSUURA / Stoichiometry and Conformation of the Azacrown Moiety in Sodium Complexes of Azacrown Ethers. A Raman/IR Spectroscopic Study. Part I: Complexes of 4,13-Diaza-18-crown-6 173–190

Letter to the Editor:

D. V. SOLDATOV / On the Composition of the Orthorhombic Clathrates of Tetrapyridine-metal(II) Complexes with Pyridine 191–192

Book Reviews:

Donald J. Cram and Jane M. Cram, *Container Molecules and Their Guests* (J. E. D. DAVIES) 193

G. W. Gokel (ed.), *Advances in Supramolecular Chemistry* (J. E. D. DAVIES) 193–194

Conference Diary 195

Volume 20 No. 3 1994

K. S. N. REDDY, M. J. EAPEN, P. N. JOSHI, S. P. MIRAJKAR, and V. P. SHIRALKAR / Physicochemical Characterization of Boro- and Gallo-Silicate Isomorphs of β-Zeolite 197–210

HELENA KRUPITSKY, ZAFRA STEIN, and ISRAEL GOLDBERG / Structural Patterns in Clathrates and Crystalline Complexes of Zinc-Tetra(4-Chlorophenyl)Porphyrin and Zinc-Tetra(4-Fluorophenyl) Porphyrin 211–232

M. REHÁKOVÁ, A. SOPKOVÁ, M. CASCIOLA, and S. FAILLA / A Study of the Silver Form of a Natural Zeolitic Material of the Clinoptilolite Type 233–240

ZOLTÁN AIGNER, INGRID BENCZ, and MICHAEL KATA / Increasing the Solubility Characteristics of Fenofibrate with Cyclodextrin 241–252

INGEBORG CSÖREGH, OLGA GALLARDO, EDWIN WEBER, ROLF POLLEX, and NORBERT DÖRPINGHAUS / Crystalline Host–Guest Complexes Involving Carboxylic Acid Hosts and a Dimethyl Sulphoxide Guest. X-Ray Crystal Structures of Two Inclusion Species 253–266

PAUL D. AHN, ROGER BISHOP, DONALD C. CRAIG, and MARCIA L. SCUDDER / Structure of the Co-Crystalline Solid Formed between 1,4-Dichloronaphthalene-2,3-diol and Dioxane 267–276

MINO R. CAIRA, VIVIENNE J. GRIFFITH, LUIGI NASSIMBENI, and BOSCH VAN OUDTSHOORN / X-Ray Structure and Thermal Analysis of a 1 : 1 Complex between (*S*)-Naproxen and Heptakis(2,3,6-tri-*O*-methyl)-β-cyclodextrin 277–290

Conference Diary 291

Volume 20 No. 4 1994/1995

Research Communication:

SABINE WENGER, ZOUHAIR ASFARI, and JACQUES VICENS / Synthesis of an Unsymmetrically Doubly Bridged Calix[4]arene in the 1,3-Alternate Conformation 293–296

RANDALL B. SHIRTS and LLOYD D. STOLWORTHY / Conformational Sensitivity of Polyether Macrocycles to Electrostatic Potential: Partial Atomic Charges, Molecular Mechanics, and Conformational Prediction 297–321

N. MATEEVA, V. ENCHEV, L. ANTONOV, T. DELIGEORGIEV, and M. MITEWA / Spectroscopic Study of the Complexation of and Aza-15-Crown-5 Containing Chromofluoroionophore with Ba^{2+} and Ca^{2+} Cations 323–333

E. LUBOCH, A. A. DVORKIN, and YU. A. SIMONOV / 12-Membered Crown Ethers. Lipophilic Deratives of Benzo- and Naphtho-12-crown-4 and Their Membrane Electrode Properties. Crystal Structures of Benzo-12-crown-4 NaI and KI Complexes 335–351

F. TROTTA, G. MORAGLIO, and A. RAPPOSELLI / The Effect of Cyclodextrins on the Hydrolysis of Carboxylic Acid Esters 353–361

DJAMAL DJAIDI, ROGER BISHOP, DONALD C. CRAIG, and MARCIA L. SCUDDER / Ritter Reactions. X. Structure of a New Multicyclic Amide–Benzene Inclusion Compound 363–372

PIERRE THUÉRY, NELLY KELLER, MONIQUE LANCE, JULIEN-DANIEL VIGNER, and MARTINE NIERLICH / An Inclusion Complex between Acetonitrile and *p-tert*-Butylcalix[6]arene 373–379

LUDVÍK BENEŠ and VÍTĚZSLAV ZIMA / Formation of a Disordered Layer Lattice during the Intercalation of Water into Anhydrous Vanadyl Phosphate 381–391

Conference Diary 393

Author Index 395–398

Subject Index 399